

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
RCOH-0062USCON

In Re Application Of: SUZUKI, et al.

FEB 09 2004

Serial No.

19,963

Filing Date

November 21, 2003

Examiner

Unknown

Group Art Unit

2625

Title: **METHODS AND SYSTEMS FOR EFFICIENTLY PROCESSING IMAGE DATA FOR REPRODUCTION**

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
RCOH-0062USCON

In Re Application: SUZUKI, et al.

Serial No.

10/719963

Filing Date

November 21, 2003

Examiner

Unknown

Group Art Unit

2625

METHODS AND SYSTEMS FOR EFFICIENTLY PROCESSING IMAGE DATA FOR

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 50-0462 as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited on 2/6/04 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature of Person Mailing Correspondence

Iris C. Rousey

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.

Signature

Dated: February 6, 2004

Ken I. Yoshida

Reg. No.: 37,009

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215-599-0600

CC:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of: Kayoshi Suzuki and Noboru Murayama

Serial No.: 10/719,963

Examiner: UNKNOWN

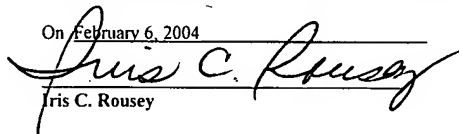
Filed: November 21, 2003

Group Art Unit: 2625

For: METHODS AND SYSTEMS FOR EFFICIENTLY PROCESSING IMAGE DATA FOR REPRODUCTION

I, Iris C. Rousey certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria VA. 22313-1450.

On February 6, 2004


Iris C. Rousey

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

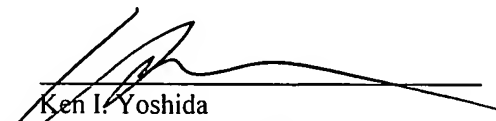
STATEMENT OF RELEVANCE

1) With reference to Japanese Nos. 2-210963 and 6-98157, they disclose improved error diffusion techniques. However, these approximation techniques are applied to approximate the input data only for the purpose of outputting the input image. (See page 3, starting at line 7 of the present application.)

2) With reference to the Loetling reference, despite Applicant's diligent effort, they are unable to locate a copy of this reference. Applicant will continue to make further efforts to obtain a copy. However, reference CB in the IDS Form-1449 is cumulative for the Loetling reference. (Reference to the Loetling reference can be found at page 3, line 4 of the present application.)

Respectfully submitted,

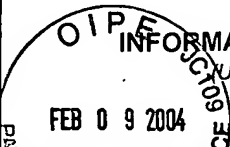
Date: February 6, 2004


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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. RCOH-0062USCON		SERIAL NO. 10/719,963	
				SUZUKI, et al.			
				FILING November 21, 2003		GROUP 2625	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
AA	4,803,558	2/7/1989	Hiratsuka, et al.				
AB	5,121,446	6/9/1992	Yamada, et al.				
AC	5,159,470	10/27/1992	Ishida, et al.				
AD	5,164,717	11/17/1992	Wells, et al.				
AE	5,204,753	4/20/1993	Tai				
AF	5,208,871	5/4/1993	Eschbach				
AG	5,243,441	9/7/1993	Kawata				
AH	5,339,171	8/16/1994	Fujisawa, et al.				
AI	5,384,646	1/24/1995	Godshalk, et al.				
AJ	5,519,509	5/21/1996	Hikosaka, et al.				
AK	5,521,989	5/28/1996	Fan				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BA	JP2-210963	8/22/1990	JAPAN				✓
BB	JP6-98157	4/8/1994	JAPAN				✓
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
CA	Tetsuya Itoh, "The Prospects of Image Quality Development on Digital Electrophotographic Imaging," Japanese Photography Academy, Vol. 57, 1994, pgs. 99, 103 and 107. (See English Abstract, particularly Fig. 10.)						
CB	Loetting, "Visual Performance and Image coding," SPIE/OSA, Image Processing, 74, 1976 (**Copy Unavailable-See reason in IDS Attachment)						
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> </div>	ATTY DOCKET NO. RCOH-0062USCON	SERIAL NO. 10/719,963
	SUZUKI, et al.	
	FILING November 21, 2003	GROUP 2625

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AL	5,724,450	3/3/1998	Chen, et al.			
AM	5,204,665	4/20/1993	Bollman, et al.			
AN	5,301,271	4/5/1994	Hiratsuka, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		CC	Floyd, et al., "An Adaptive Algorithm for Spatial Greyscale," Proceedings of the S.I.D., Vol. 17/2, Second Quarter, 1976, pgs. 75-77

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.